

Profile

NAME : **Dr. M. Sasikala**
DESIGNATION : **Assistant Professor**
DEPARTMENT : **Mathematics**
DATE OF JOINING: **01.03.2022**
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Education

2017-2021 Doctoral Degree in Mathematics, H.H. The Rajah's College,
Pudukkottai, Affiliated to the Bharathidasan University.
2007-2008 M.Phil., in Mathematics (93.8%) -V.H.N.S.N. College, Virudhunagar.
2005-2007 M.Sc., Mathematics (86.2%) – V.H.N.S.N. College, Virudhunagar.
2002-2005 B.Sc., Mathematics (65.8%) –V.H.N.S.N.College, Virudhunagar.
2002 XII Std (90 %), K.G.H.S.School, Virudhunagar.
2000 X Std (91.4 %), K.G.H.S.School, Virudhunagar.

Academic Excellence:

Got Endowment Gold Medal for M.Phil course during the year 2007-2008.

Professional Experience:(UG- 12 Years and PG – 7 Years)

Assistant Professor- Department of Mathematics

2008-2010 Arul Anandar College, Karumathur, Madurai
2011-2016 Fatima College, Madurai .
2017-2020 Arul Anandar College, Karumathur, Madurai
2022-Till date **The American College, Madurai.**

Academic Position (currently holding) :

Class Advisor – 2024 Batch (UG SF – Main Campus)

Attended Conferences

- Two-Day International Conference On “Pure And Applied Mathematics – ICOPAM 2022” In Association With Kerala Mathematical Association / **Even Intensity And Implementation Of Fuzzy Intrinsic Edge-Magic Graphs**. Presented In PG & Research Department Of Mathematics, TBML College, Porayar, Tamil Nadu -24.03.2022 & 25.03.2022.
- AIP conference preceedings (International) / **“Peculiar and stable energy of fuzzy intrinsic edge magic graphs”**. Presented in Bharathiyar University - February 21 &22, 2020.
- Presented in Arul Anandar College, Karumathur, Madurai- International conference on Pure and Applied Mathematics/ **“ On the construction of Fuzzy Intrinsic Edge-magic graphs”**.
- Advances in Mathematics Scientific Journal (International) / **“Fuzzy Pseudo Intrinsic Edge-Magic graphs”**
Presented and Published in International conference, Raja Doraisingam Government Arts College, Sivagangai- August 27 and 28, 2019.

Attended Webinar/FDP :

- Attended One Day National Level Research Workshop (Online) on **“Mastering ChatGPT Prompts For Professional Growth Of Academicians and Researchers “** on 19.12.24, organized by A.C.T. Academy, Kerala.
- Participated in the International Webinar on **“Mathematics in Smart Agriculture and Food Security “** organised by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 11.12.2024.

- Participated 7 days online workshop cum hands on training on “**SQL for Data Analytics and Data Science**” from 20.05.24 to 26.05.24 conducted by DIGI SKILLS CENTER, A.C.T. Academy, Kerala Unit.
- Participated One Week Faculty Development (online) Program on “**Data Science and its Applications** “ from 05.04.24 to 12.04.24 conducted by FDP DIVISION, A.C.T. Academy, Kerala.
- Participated in National Level Online Skill Training for HEI’s Faculty on “**E-Content Development and Interactive Resources**” conducted by PROGREZZ ACADEMIC TRAINING & RESEARCH INSTITUTE, Tirupur, Tamil Nadu on 22.03.24.
- Participated one week National Level (ONLINE) Faculty Development Programme on “**Applications of Mathematics in Multi-disciplinary Domains** “ from 01.02.2024 to 08.02.2024 jointly conducted by A.C.T. Academy , Kerala Unit and Department of Mathematics (SF), The American College, Madurai.
- Participated in the International webinar on “**Emerging Trends in Mathematics**” organised by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 13.09.23.
- Faculty Orientation Programme organized by the Internal Quality Assurance Cell (IQAC), The American College, Madurai on 09.09.2023.

Short term Course:

- ❖ Completed the course “**MATLAB ODE Exploration :Unveiling Numerical Method’s Potential**” with a total duration of 30 hours on 26.06.2024.

Research Publications

1. M. Kaliraja and M. Sasikala, On the Construction of Fuzzy Intrinsic edge magic graphs, *Journal of Mathematical and Computational Science*, 9 (2019), No. 6, pp. 692-701.

2. M. Kaliraja and M. Sasikala, Properties of prime and composite pseudo intrinsic edge-magic graphs, *International Journal of Scientific & Technology Research*, Vol. 8, Issue. 8, 2019, pp. 965-968
3. M. Kaliraja and M. Sasikala, Premises on Fuzzy Factorizable Perfect Intrinsic Edge- Magic Graphs, *Malaya Journal of Matematik*, Vol.7, No.4, 2019, pp. 767-770.
4. M. Kaliraja and M. Sasikala, Properties of Fuzzy Perfect Intrinsic Edge-Magic Graphs, *South East Asian Journal of Mathematics and Mathematical Sciences*, Vol.16, No. 2 (2020), pp. 71-78.
5. M. Kaliraja and M. Sasikala, Prime Strength of Fuzzy Perfect Intrinsic Edge - Magic Graphs, *Advances and Applications in Mathematical Sciences*, vol. 19, issue 3, 2020, pp. 185-195.
6. M. Kaliraja and M. Sasikala, Fuzzy Pseudo Intrinsic Edge-Magic Graphs, *Advances in Mathematics: Scientific Journal*, 8 (2019), no.3, pp. 214–220.
7. M. Kaliraja and M. Sasikala, Peculiar-Stable Energy of Fuzzy Intrinsic Edge Magic Graphs, *AIP Conference Proceedings*, 2261, pp. 030121-1 – 030121-8.
8. M. Kaliraja and M. Sasikala, “Even intensity and Implementation of Fuzzy Intrinsic Edge Magic Graphs”, *Communications in Mathematics and Applications*, Vol.15, No.1, pp.359-366, 2024.

Dated:

(Dr. M.SASIKALA)